Split System Cooling Product Data

XR17
4TTR7048B
4 Ton
Features and Benefits

• CLIMATUFF™ 2-stage scroll compressor
• Efficiency up to 18.0 SEER
• All Aluminum SPINE FIN™ coil
• DURATUFF™ weather proof and rust proof base
• COMFORT "R"™ mode approved for better comfort indoors
• QUICK-SESS™ cabinet, service access and refrigerant connections with full coil protection
• WEATHERGUARD™ fasteners
• Glossy corrosion resistant finish tarpaulin gray cabinet with anthracite gray top
• Internal compressor high/low pressure & temperature protection
• Liquid line filter/drier
• Low sound with advanced PSC fan motor
• Service valve cover
• R-410A refrigerant
• From 70 to 100% capacity modulation
• 100% run test in the factory
• Low ambient cooling to 55° as shipped

• Extended warranties available
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Product Specifications

Model No. ① 4TTR7048B1000A

| Electrical Data V/Ph/Hz ②          | 208/230/1/60 |
| Min Cir Ampacity               | 28           |
| Max Fuse Size (Amps)            | 45           |
| Compressor                      | CLIMATUFF®- SCROLL |
| No. Compress. – No. Stages       | 1-2          |
| RL AMPS - LR AMPS               | 20.4 - 122   |
| Outdoor Fan FL Amps             | 2.8          |
| Fan HP                          | 1/3          |
| Fan Dia (inches)                | 27.6         |
| Coil                            | Spine Fin™   |
| Refrigerant R-410A              | 13/3-LB/OZ   |
| Line Size - (in.) O.D. Gas ③    | 7/8          |
| Line Size - (in.) O.D. Liquid ③ | 3/8          |
| Dimensions H x W x D (Crated)   | 51.0 x 35.1 x 38.7 |
| Weight - Shipping               | 296          |
| Weight - Net                    | 259          |
| Start Components                | NO           |
| Sound Enclosure                 | NO           |
| Compressor Sump Heat            | NO           |

Optional Accessories: ③

- Rubber Isolator Kit  BAYISLT101
- Snow Leg - Base & Cap 4” High BAYLEGS002
- Snow Leg - 4” Extension BAYLEGS003
- Hard Start Kit Scroll BAYKSKT266
- Crankcase Heater Kit BAYCCHT301
- Extreme Condition Mounting Kit BAYECMT004
- Vertical Discharge Air Kit Base 4 BAYVDTA004
- Auto Charge Solenoid Kit BAYCXT001
- Refrigerant Linet ⑤ TAYREFLN3*

Accessory Description and Usage

Rubber Isolators — 5 rubber donuts to isolate condensing unit from mounting frame or pad. Use on any application where sound transmission needs to be minimized.

Extreme Conditions Mounting Kit — Bracket kits to securely mount condensing unit to a frame or pad without removing any panels. Use in areas with high winds, or on commercial rooftops, etc.

Low Ambient Cooling — For low ambient cooling below 55° see Application Guide APP-APG013-EN.

AHRI Standard Capacity Rating Conditions

AHRI STANDARD 210/240 RATING CONDITIONS —
(A) Cooling 80°F DB, 67°F WB air entering indoor coil, 95°F DB air entering outdoor coil.
(B) High Temperature Heating 47°F DB, 43°F WB air entering outdoor coil, 70°F DB air entering indoor coil.
(C) Low Temperature Heating 17°F DB, 15°F WB air entering outdoor coil, 70°F DB air entering indoor coil.
(D) Rated indoor airflow for heating is the same as for cooling.

AHRI STANDARD 270 RATING CONDITIONS — (Noise rating numbers are determined with the unit in cooling operation.) Standard Noise Rating number is at 95°F outdoor air.

Sound Power Level

<table>
<thead>
<tr>
<th>Model</th>
<th>A-Weighted Sound Power Level [dB(A)]</th>
<th>Full Octave Sound Power [dB]</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>63 Hz</td>
<td>125 Hz</td>
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<tr>
<td>4TTR7048B</td>
<td>73</td>
<td>70</td>
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</table>

Note: Rated in accordance with AHRI Standard 270-2008
Dimensions

4TTR7 Outline Drawing

Note: All dimensions are in MM (Inches).

<table>
<thead>
<tr>
<th>MODELS</th>
<th>BASE</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
<th>J</th>
<th>K</th>
</tr>
</thead>
<tbody>
<tr>
<td>4TTR7048B</td>
<td>4</td>
<td>1147 (45 1/8)</td>
<td>946 (37-1/4)</td>
<td>870 (34-1/4)</td>
<td>7/8</td>
<td>3/8</td>
<td>152 (6)</td>
<td>98 (3-7/8)</td>
<td>219 (8-5/8)</td>
<td>86 (3-3/8)</td>
<td>813 (32)</td>
</tr>
</tbody>
</table>
Electrical Data

Wiring Diagram

**LEGEND**
- **MAGNETIC COIL**
- **GROUND**
- **JUNCTION**
- **CAPACITOR**
- **WIRE NUT OR TERMINAL**
- **TRANSFORMER**
- **FUSE**
- **TERMINAL BLOCK/BOARD**
- **RELAY CONTACT (N.O)**
- **RELAY CONTACT (N.C.)**
- **THERMISTOR**
- **TEMP ACTUATED SWITCH**
- **INTERNAL OVERLOAD PROTECTION**
- **PRESSURE ACTUATED SWITCH**
- **RESISTOR OR HEATING ELEMENT**
- **MOTOR WINDING**
  - **POL. PLUG FEMALE HOUSING (MALE TERMINALS)**
  - **POL. PLUG MALE HOUSING (FEMALE TERMINALS)**

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**Diagram Details**

- **CPR**
- **IOL**
- **LPCO**
- **HPCO**
- **VARIABLE SPEED OD FAN MOTOR**
- **BK/BK**
- **BL/BL**
- **YL/RL**
- **GR/GR**
- **BK/BL**

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**To Power Supply Per Unit Nameplates and Local Codes**
General
The 4TTR7 is fully charged from the factory for matched indoor section and up to 15 feet of piping. This unit is designed to operate at outdoor ambient temperatures as high as 115°F. Cooling capacities are matched with a wide selection of air handlers and furnace coils that are AHRI certified. The unit shall be certified to UL 1995. Exterior is designed for outdoor application.

Casing
Unit casing is constructed of heavy gauge, G60 galvanized steel and painted with a weather-resistant powder paint on all louvers and panels. Corrosion and weatherproof CMBP-G30 DuraTuff™ base.

Refrigerant Controls
Refrigeration system controls include condenser fan, compressor contactor and high pressure switch. High and low pressure controls are inherent to the compressor. A factory installed liquid line drier is standard.

Compressor
The Climatuff® 2-stage compressor features internal over temperature and pressure protection and hermetic motor. Other features include: centrifugal oil pump and modular plugs for electrical connections.

Condenser Coil
The outdoor coil provides low airflow resistance and efficient heat transfer. The coil is protected on all four sides by louvered panels.

Low Ambient Cooling
As manufactured, this unit has a cooling capability to 55°F. For low ambient cooling below 55° see Application Guide.